

# Jay Hwang

software-engineer

[Portfolio](#) • [LinkedIn](#) • [Github](#) • San Francisco, California  
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## PROJECTS

### **CouchBnB (Full-Stack Engineer)** (Ruby on Rails, PostgreSQL, React.js)

[Live](#) | [Github](#)

- Slashed database build time by 70% by designing a DRY, scalable system that parses a list of city locations to automate seed-data manipulation
- Maximized search-engine efficiency by channeling search-queries to employ AJAX requests to Google Maps API to filter and pan the Map instead of ActiveRecord Queries

### **Space Invaders (Front-end Developer)** (Vanilla Javascript, HTML, CSS)

[Live](#) | [Github](#)

- Features JavaScript coupled with HTML5 Canvas to create a robust front-end game
- Increased responsiveness by 40% by engineering a dynamic solution that utilizes Real Time measurements to alleviate Canvas lag

### **Pabang** (WebCrawler) (Ruby, Selenium)

[Github](#)

- Engineered a script that applies to jobs matching specified criteria
- Tailored program to individuals by implementing a keyword matching algorithm to filter and query data specified by users

### **Minesweeper** (Ruby)

[Github](#)

- Created the classic game Minesweeper with an OOP Architecture using Ruby
- Optimized runtime by 30% by utilizing BFS to dynamically traverse the board

## SKILLS

HTML | CSS | JavaScript | jQuery | React.js | Redux | Ruby on Rails | RSpec | SQL | Git

## EXPERIENCE

### **San Francisco City Impact**

2013 - 2016

- Mobilized, trained and led 1,000+ volunteers for 15+ annual events and fundraisers, helping raise upwards of \$15M
- Vastly enhanced music performance by re-designing the training program ground up to focus on the fundamentals of individuals, and ear-training + unison as a group

## EDUCATION

### **App Academy** - Acceptance Rate < 3%

Fall 2016

- Rigorous 1000-hour full stack development bootcamp
- Emphasizes OOP, TDD, Pair-Programming, Algorithms and Data Structures
- Attained a 99% assessment grade and pair-programming percentage

### **Nyack Music School** - Jazz Drum Performance

2012 - 2013

- Earned recognized as Most Improved Student by practicing 10-14 hours daily